











































## Summary of Impacts and Costs for the I-93 Preferred Alternative

			£ <u>Z-7</u> .2	Figure 2						
			60 Ledt net eter and the remement						(*) Including Right of Way, Design Engineer	
p.20p\$	0.6\$	<i>t</i> <sup>.</sup> 8\$	6.67\$	4.18\$	7.921	2.63\$	<b>7</b> '98\$	4.11\$	Total Cost (\$ Millions)* (not incuding mitigation costs)	steoO
ΑN	nel Conservation	Both Promote Fu	Future Fuel Conservation with More Efficient Flow of Traffic and Emphasis on Multi-Modal Means of Travel						Enel Dae Efficiency	Energy
Z١	səti2 £	No Impacts	seli2 4	2 Sites	səti2 3	səti2 S	91i2 l	No Impacts	Potentially Contaminated Properties	Hazardous Materials
AnoM	bacts	No Impacts to Either 4(f) or 6(f) Properties (Other than Historical). No Impacts							4(f) and 6(f) Properties (Other than Historical)	Public Parks and Recreational Land
AN	No Effect		Potential Population Growth of 35,000 and 16,000 Additional Jobs by 2020.						Stimulation of Growth	Secondary Development
ΑN	Aldigible		Small Direct Effect on Land Use Since Highway Widening Takes Place Largely within Existing Right-Of-Way.						Direct Change in Land Use	Land Use
AnoM	ffect	3 oN	No Effect on Populations of Low Income or Minorities. No Community Facilities Impacted.						Environmental Justice Issues and Effects on Public	Neighborhood and Community Facilities
noillim 4.St\$	Some Loss at Exit 5	AldigilgeM	Estimated Loss of About \$12.4 Million from Tax Base with a \$.25 Million Loss in Tax Revenue for the 5 Towns Combined.						Change in Tax base	Economic
91	7	Acquisitions	0	2	8	ļ	0	0	Number of Business Total Property Acquisitions	Right-ot-Way Displacement
50	L manduu ass	Impacts No Additional	0	3	7	3	7		Properties  Number of Residential Total Property Acquisitions	marranarr
9	No Impacts	setic IsnoitibbA oV		2	2	0	7.0	ı	Historic  Number of Potentially Eligible Sites - Historic	Historical
89-09	No Impacts	IsnoitibbA oV	2١	Orchards. 9-11	16-18	01-6	Z-0	0	Number of Potentially Eligible Sites - Prehistoric /	Archaeological
∀N	Reduced Screening at Exit Z Lot.	əldigilgəM	Reduced buffer between barrels.	Privacy fence used between highway and adjacent neighborhoods. Buffer reduced adjacent to Woodmont	Buffer reduced between barrels. Vertical alignment change will be visable to adjacent visable to adjacent	Buffer reduced between barrels and adjacent to Trolley Lane.	Soundwall will screen neighborhoodods east of NB off-	Soundwall will screen Haigh Ave. boorhoddijan	vewrigith aft of bne mort eviet of stoegmi	lsusiV
(265/316)	No Impacts		(99/84)	(58/72)	(31/23)	(22/32)	(96)	(197)	Number of Receptors Approaching or Exceeding FHWA Noise Abatement Criteria (1997/2020)	əsioN
L	No Impacts		No Impacts			One Population of Lupine Impacted	No Impacts		Number Populations Impacted	Threatened and Endangered Species
790 790	Approx. 27 - 30 Acres Affected	Approx. 30 Acres Affected	Estimated 150 acres of Upland Habitat and 75 Acres of Wetland Habitat Affected.					Direct Impacts on Habilats (Acres)	Wildlife	
7	1 No Impacts		No Impacts						Number Impacted	Vernal Pools
98	0.0 0.0 0.0 2.1	6.0 6.0 5.0	7.0 2.3 0.0 17.3	2.8 1.1 2.0 4.81	0.4 8.1 0.0 0.81	4,1 4,0 0.0 7,01	1.2 1.0 5.0 6.4	0.0 0.0 0.0 6.5	Palustrine Emergent (Acres) Palustrine Surub-Shrub (Acres) Palustrine Open Water (Acres) Total Wetland Impacts (Acres)	sbnstləW
91	əldigilgəM S. f	0 -/+ 7.2 0 5.6 7.7	No Impacts 0.3 0.3 0.3 No Impacts 8.0	0.8 No impacts No impacts No impacts 12.0	0.3 0.4 No impacts No impacts 10.2	3.1 6.7 2.2 No Impacts 9.0	No Impacts 0.3 0.4 0.4 7.2	No Impacts 0 0.4 No Impacts 3.3	Prime Familiand Solis (Acres) Familiand Solis of Statewide Impontance (Acres) Familiand Solis of Local Impontance (Acres) Active Familiand (Acres) Palustrine Froested (Acres)	Farmlands
97	No Impacts	0.4	7.0 1.2	9.6	8.1	12.5	8.0	2.12	Floodway (Acre - Feet) 100 Year Floodplain (Acre - Feet)	Floodplains
8	Exit 3 only	anoM	əuoN	Within 400 feet of small community well.	Proposed roadway closer to 5 community wells, NB lanes 700 feet further from large community well.	ənoM	ЭпоИ	əuoN	WHPA Wells Where roadway crosses	Groundwater Quality
86	3.7 Acres at Exit 5 Vino	0.81	7.01	8.66	Mone	2.7	4.31	6.6	Stratified-Drift Under Roadway Area (acres)	
21	No Impacts	IsnoitibbA oV emsent2	g	<b>†</b>	L.	7	ı	2	Number of Perennial Stream Crossings	Aquatic Life
ΑN	Minor Effects	No Impacts	se gnibsol fnstull	o net increase in po ght increase.	With proposed measures 17 of 21 Streams expected to have either lower or no net increase compared to No Build. 4 Streams expected to have slight increase				Pollutant Contribution to Receiving Waters	Surface Water Quality
AnoM	No Effect		No Exceedance of State and Federal CO Standards in 2020.					Microscale CO Exceedances (2020)	Air Quality	
9.5£ 71	2.1		8.7 [1] 4	7.0 Z	8.9 8	5.0	fp 0	0.1	Total Improvements (miles)  Number of Signalized Intersections	
8.8	2.1	A/N	8.1	1.1	2.0	4.1	8.0	0.0	Focal Rosdway Improvements (miles)	Transportation
4.72	ΑN		0.8	6'9	£.7	9.5	3.6	0.1	Interstate and Interchange Improvements (miles) (mainline and ramps)	
ТОТА	Park & Rides	Bike Path	Reconstruct NH 28	East	NH111: Full Relocation  NB Ramp: Diamond  SB Ramp: Diamond	Diamond	Relocate	South of Cross Street	Resource	
L IMPACT			6 117-	F 110=	6.117	*****	1 110-			
TOTAL IMPACTS	รานอนไ	geS IIA	F Exit 5	Exit 4	D Exit 3	C Exit2	8 f fix3	A	sut Focations.	See Figure 2.3-11 for Segme
LIMPACTS	lments .	gə& IIA		Exif 4	Exit 3			A		OnsM-mals Se-I

Regional Location Map Potential Wetland Mitigation Sites